1. IMPLEMENTING BACKGROUND DESIGN, COLOR & TEXT TAGS.

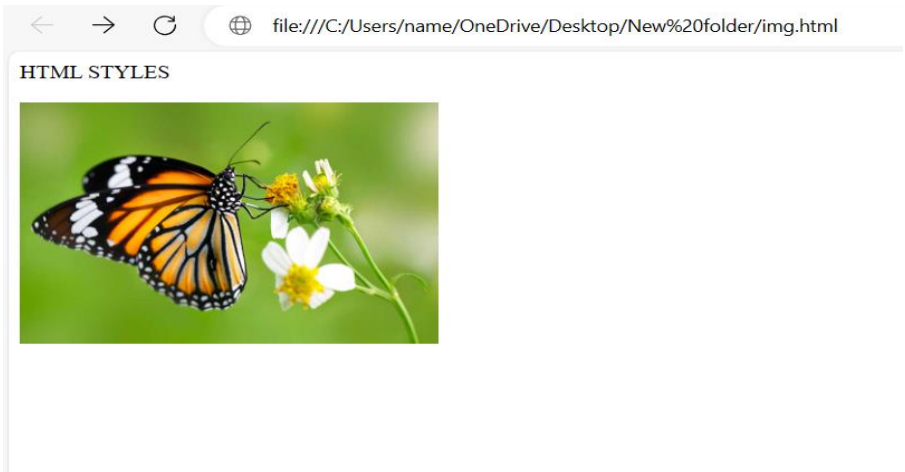
```
<Doctype html>
    <html>
      <head>
        <title> WEB TECHNOLOGY </title>
      </head>
      <body>
        <p> HTML STYLES </p>
        <body style="background-color:yellow;">
          <h1 style="color:red;">WEB TECHNOLOGY</h1>
          <p style="color:blue">I am implementing Background
design,color,and Text tags in HTML</p>
        </body>
    </html>
```

OUTPUT

2. IMPLEMENTING IMAGE TAGS.

```
<Doctype html>
  <html>
    <head>
      <title> WEB TECHNOLOGY </title>
    </head>
    <body>
      <p> HTML STYLES </p>
        <img src="butterfly.jpg"
        width="300px"height="200px">
         </body>
  </html>
```

OUTPUT

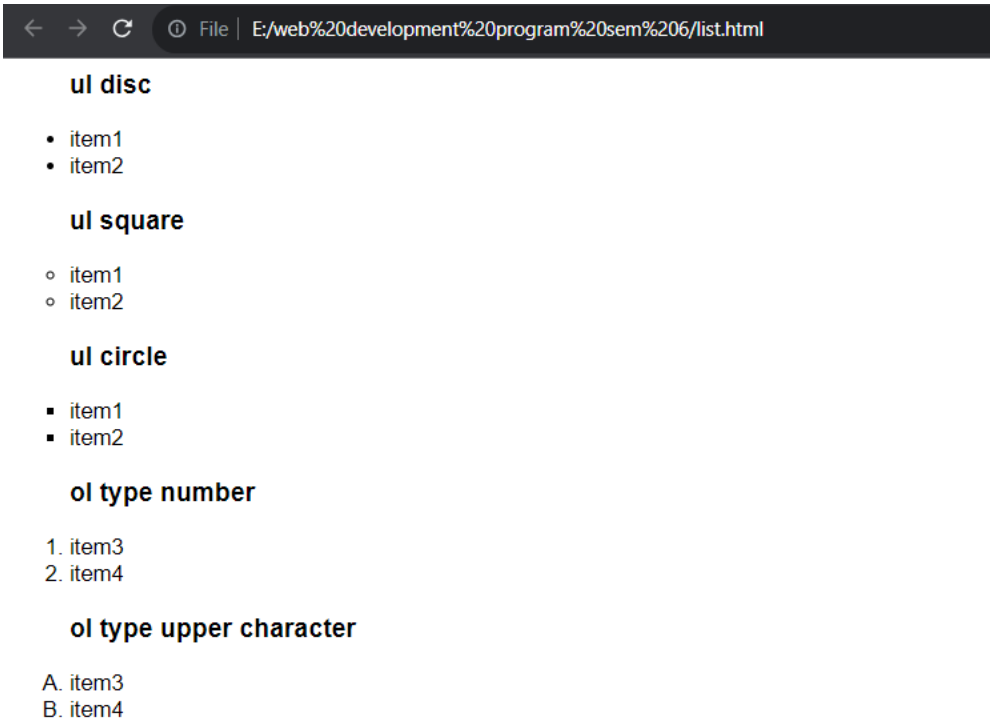


3. TO DISPLAY LIST OF ITEMS IN DIFFERENT STYLES.

```
<html>
  <head>
    <title>list items</title>
  </head>
  <body>
    <ul style="list-style-type: disc;">
       <h3>ul disc</h3>
       <li>item1</li>
       <li>item2</li> </ul>
    <ul style="list-style-type: circle;">
       <h3>ul square</h3>
       <li>item1</li>
       <li>item2</li> </ul>
    <ul style="list-style-type: square;">
       <h3>ul circle</h3>
       <li>item1</li>
       <li>item2</li></ul>
    <ol type="1">
      <h3>ol type number</h3>
      <li>item1</li>
      <li>item2</li></ol>
    <ol type="A">
      <h3>ol type upper character</h3>
      <li>item1</li>
      <li>item2</li> </ol>
    <ol type="a">
      <h3>ol type lower character</h3>
      <li>item1</li>
      <li>item2</li> </ol>
    <ol type="I">
      <h3>ol type upper roman</h3>
      <li>item1</li>
      <li>item2</li> </ol>
    <ol type="i">
      <h3>ol type lower roman</h3>
      <li>item1</li>
```

```
        <li>item2</li></ol>
      <dl>
        <dt>DESCRIPTION LIST</dt>
        <dd>list1</dd>
        <dd>list2</dd>
      </dl>

  </body>
</html>
```

OUTPUT



ol type lower character

a. item3
b. item4

ol type upper roman

I. item3
II. item4

ol type lower roman

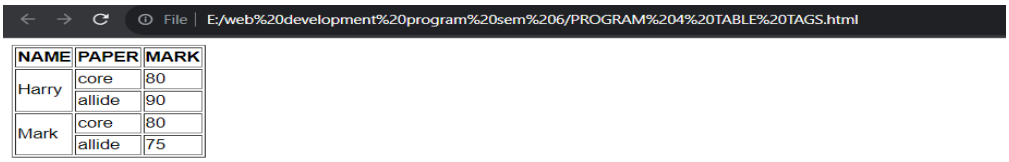
i. item3
ii. item4

DESCRIPTION LIST
list1
list2

4.IMPLEMENTING TABLE TAGS.

```
<html>
  <head><title>table tags</title></head>
  <body>
    <table border="1">
    <thead>
      <tr>
        <th>NAME</th>
        <th>PAPER</th>
        <th>MARK</th></tr>
    </thead>
    <tbody>
      <tr>
        <td rowspan="2">Harry</td>
        <td>core</td>
        <td>80</td></tr>
      <tr>
        <td>allide</td>
        <td>90</td></tr>
    </tbody>
    <tfoot>
      <tr>
        <td rowspan="2">Mark</td>
        <td>core</td>
        <td>80</td></tr>
      <tr>
        <td>allide</td>
        <td>75</td>
      </tr>
    </tfoot>
    </table>
  </body>
</html>
```

OUTPUT



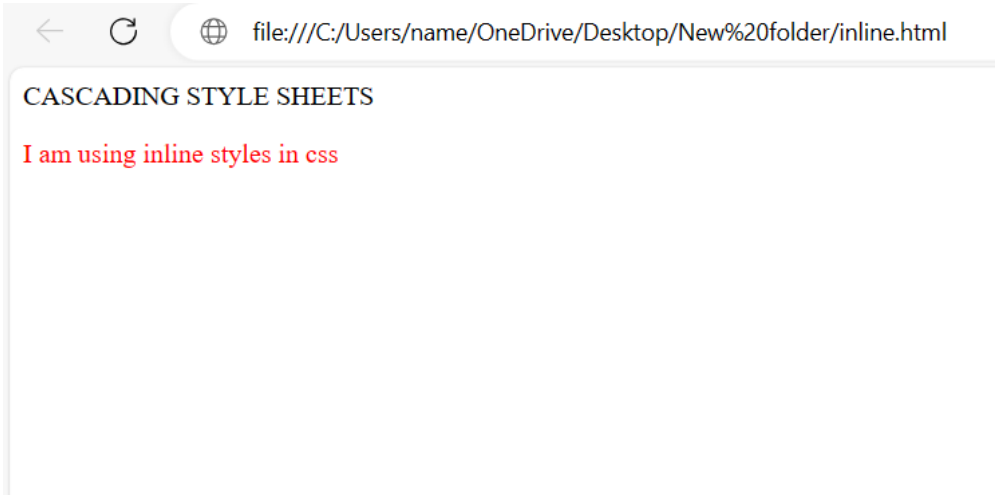
NAME	PAPER	MARK
Harry	core	80
	allide	90
Mark	core	80
	allide	75

5.DEMONSTRATE THE USAGE OF INLINE, INTERNAL & EXTERNAL STYLE SHEET USING CSS.

Inline Styles:

```
<Doctype html>
  <html>
    <head>
      <title> WEB TECHNOLOGY </title>
    </head>
<p> CASCADING STYLE SHEETS </p>
    <p style="color: red; font-size: 16px;">I am using inline styles in css </p>
     </body>
  </html>
```

OUTPUT



Internal Styles.

```
<html>
<head><title> WEB TECHNOLOGY </title>
  <style>
    p { color: blue;
      font-size: 18px;}
  </style></head>
<body>
<p> CASCADING STYLE SHEETS </p>
<p>I am using internal styles in CSS.</p>
</body>
</html>
```

OUTPUT:

External Styles:

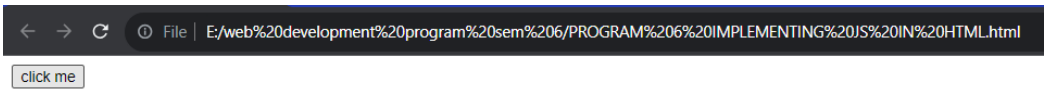
```
/* CSS rules in a separate file with a `.css` extension ,ex: styles.css */
p {
  color: green;
  font-size: 20px;
}
/* `<head>` section of  HTML document, add a `<link>` tag to link to the external CSS file.*/
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
  <p>I am using External Style Sheets in CSS.</p>
</body>
</html>
```

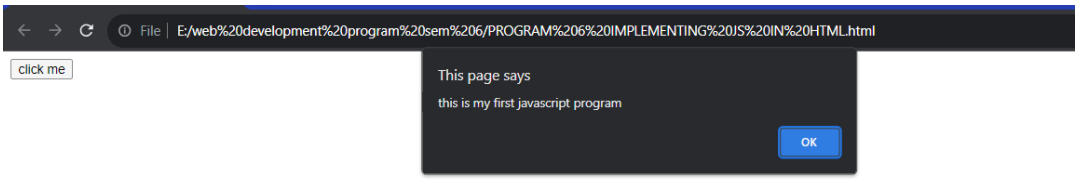
OUTPUT:

6. IMPLEMENTING JAVA SCRIPT IN HTML

```
<html>
  <head>
  <title>Java Script in HTML</title>
     <script>
       function speak()
{
      alert("this is my first javascript program")

 }
     </script>
  </head>
  <body>
     <button onclick="speak()">click me</button>
  </body>
</html>
```

OUTPUT

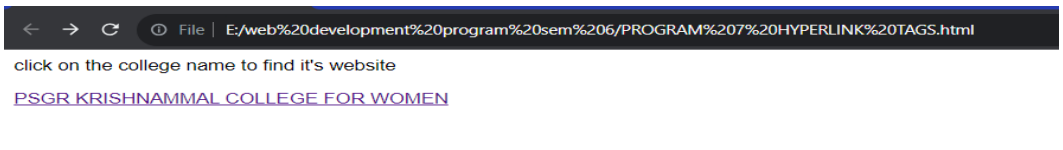

File | E:/web%20development%20program%20sem%206/PROGRAM%206%20IMPLEMENTING%20JS%20IN%20HTML.html
click me


File | E:/web%20development%20program%20sem%206/PROGRAM%206%20IMPLEMENTING%20JS%20IN%20HTML.html
click me
This page says
this is my first javascript program
OK

7. HOT TEXT USING HYPERLINK TAGS.

```
<html>
  <head>
    <title> Hot Text Example</title>
  </head>
  <body>
   <p>click on the college name to find it's website</p>
   <p>
<a href="https:www.psgrkcw.ac.in">PSGR KRISHNAMMAL COLLEGE FOR
WOMEN</a>
</p>
</body>
</html>
```

OUTPUT



8. IMPLEMENTING FRAMES AND FRAME SETS.

```
<html>
  <head>
    <title>Frames Example</title>
  </head>
  <frameset cols="25%,75%">
    <frame src="frame1.html"></frame>
    <frame src="frame2.html"></frame>
  </frameset>
</html>
```

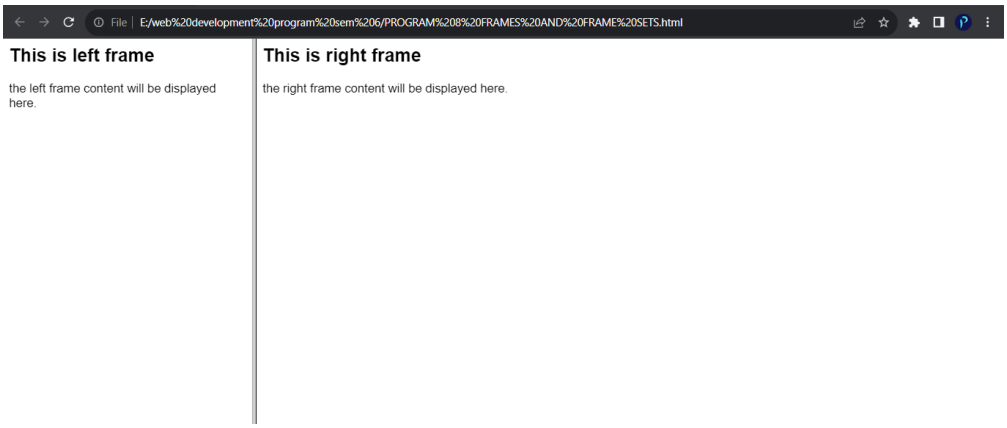
frame1.html

```
<html>
  <head><title>left frame</title></head>
  <body>
    <h2>This is left frame</h2>
    <p>the left frame content will be displayed here.</p>
   </body>
</html>
```

frame2.html

```
<html>
  <head><title>left frame</title></head>
  <body>
    <h2>This is right frame</h2>
    <p>the right frame content will be displayed here.</p>

  </body>
</html>
```

OUTPUT



9. CREATE A FORM WITH VARIOUS FIELDS AND APPROPRIATE FONT AND VALIDATIONS USING ANY ONE OF THE SCRIPTING LANGUAGES.

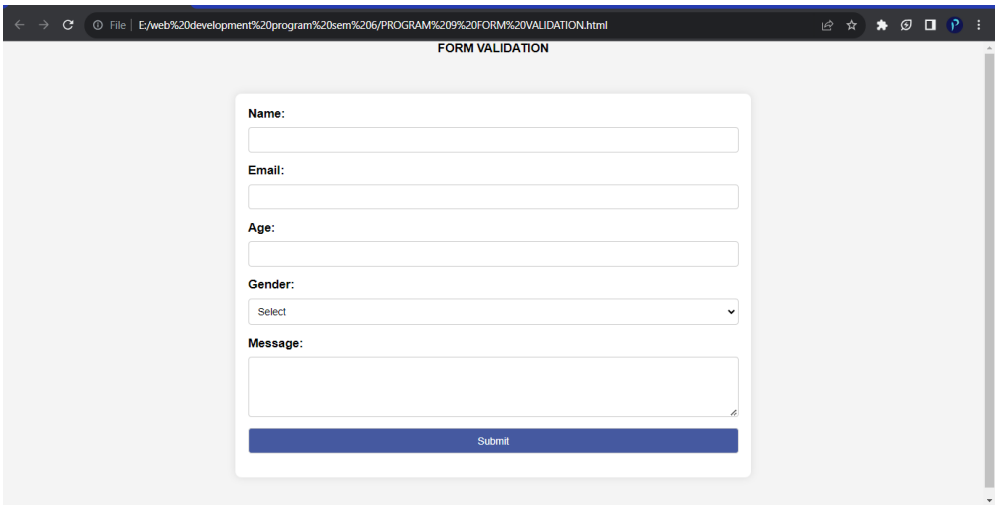
```
<html>
<head>
  <title>Form Validations</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
    }

    form {
      width: 50%;
      margin: 50px auto;
      padding: 17px;
      background-color: #fff;
      border-radius: 8px;
```

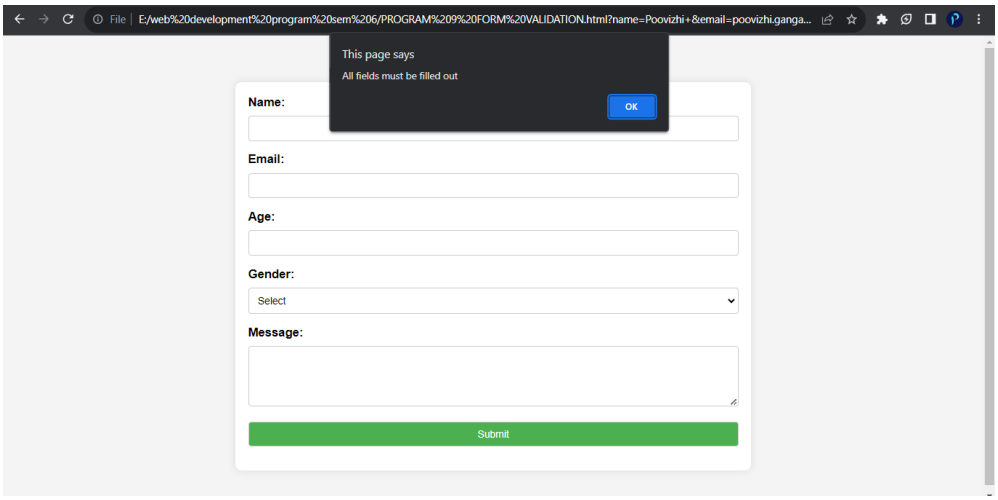
```
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      }

      label {
        display: block;
        margin-bottom: 8px;
        font-weight: bold;
      }

      input,
      select,
      textarea {
        width: 100%;
        padding: 8px;
        margin-bottom: 15px;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
      }


  input[type="button"] {
        background-color: #4559a0;
        color: #fff;
        cursor: pointer;
      }

      input[type="button"]:hover {
        background-color:  #4caf50;
      }
   </style>
</head>

<body>

<h4><b><center>FORM VALIDATION</center></b></h4>
   <form>
      <label for="name">Name:</label>
      <input type="text" id="name" name="name" required>
```

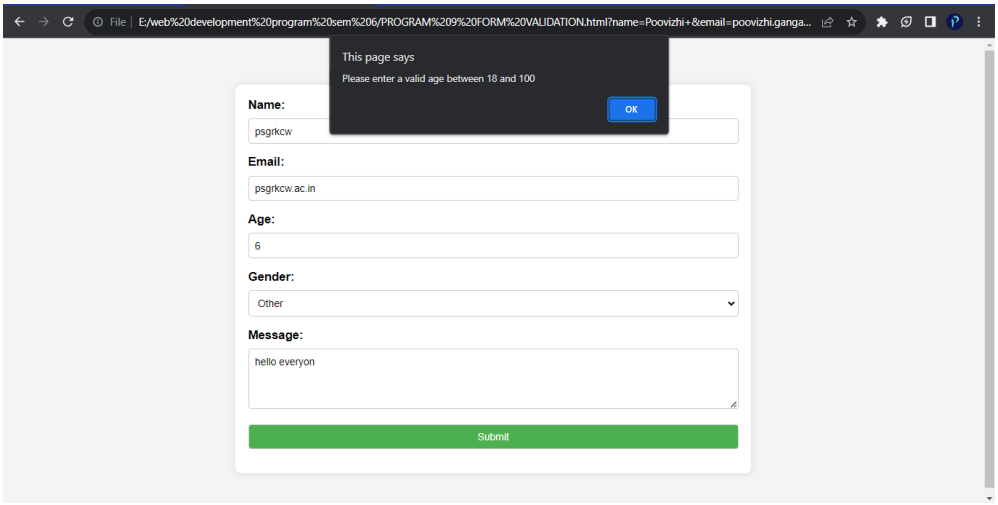
```
    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required pattern="[a-zA-Z0-
9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$">

    <label for="age">Age:</label>
    <input type="number" id="age" name="age" required>

    <label for="gender">Gender:</label>
    <select id="gender" name="gender" required>
      <option value="">Select</option>
      <option value="male">Male</option>
      <option value="female">Female</option>
      <option value="other">Other</option>
    </select>

    <label for="message">Message:</label>
    <textarea id="message" name="message" rows="4" required></textarea>

    <input type="button" value="Submit" onclick="validateForm()">
  </form>

  <script>
    function validateForm() {
      var name = document.getElementById("name").value;
      var email = document.getElementById("email").value;
      var age = document.getElementById("age").value;
      var gender = document.getElementById("gender").value;
      var message = document.getElementById("message").value;

      if (name === "" || email === "" || age === "" || gender === "" || message
=== "") {
        alert("All fields must be filled out");
        return false;
      }

      // Age validation (assuming age should be between 18 and 100)
      if (isNaN(age) || age < 18 || age > 100) {
        alert("Please enter a valid age between 18 and 100");
```

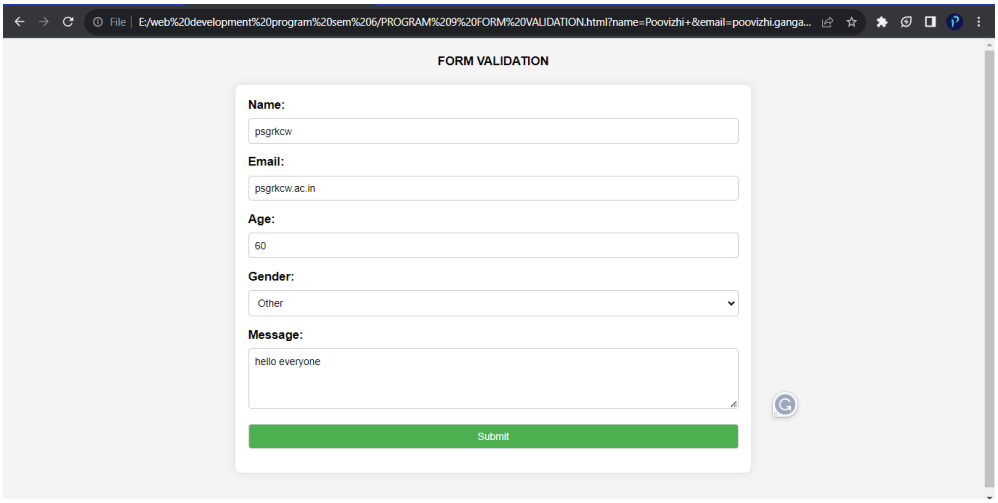
```
            return false;
        }

        return true;
    }
  </script>
</body>
</html>
```

OUTPUT






File E:/web%20development%20program%20sem%206/PROGRAM%209%20FORM%20VALIDATION.html?name=Poovizhi+&email=poovizhi.ganga...
This page says
Please enter a valid age between 18 and 100
OK
Name:
psgrkcw
Email:
psgrkcw.ac.in
Age:
6
Gender:
Other
Message:
hello everyon
Submit

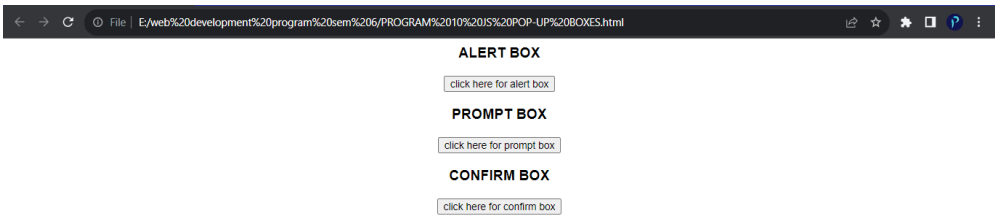

File E:/web%20development%20program%20sem%206/PROGRAM%209%20FORM%20VALIDATION.html?name=Poovizhi+&email=poovizhi.ganga...
FORM VALIDATION
Name:
psgrkcw
Email:
psgrkcw.ac.in
Age:
60
Gender:
Other
Message:
hello everyone
Submit

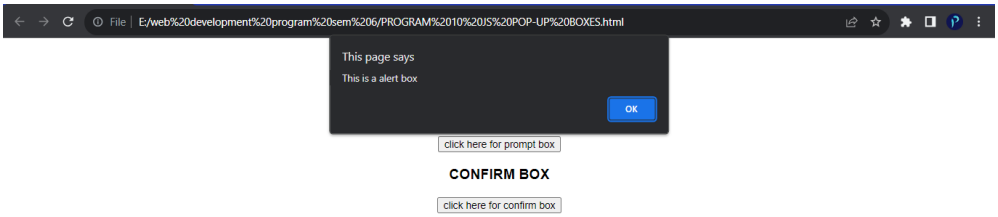
10.DEMONSTRATE JAVA SCRIPT WITH POP-UP BOXES.

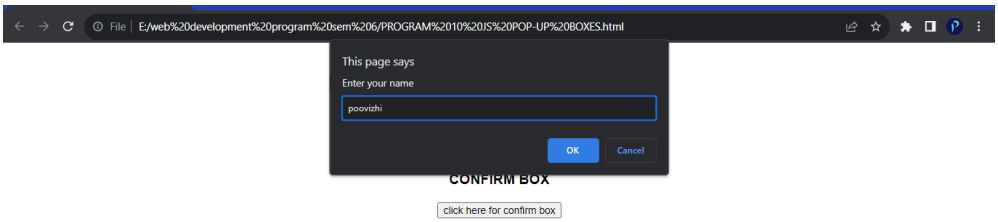
```
<html>
  <head>
  <title>pop-up boxes in javascript</title>
  </head>
  <body>
    <center>
      <h3>ALERT BOX</h3>
      <button onclick="alertbox()">
        click here for alert box
      </button>

      <h3>PROMPT BOX</h3>
      <button onclick="promptbox()">
        click here for prompt box
      </button>

      <h3>CONFIRM BOX</h3>
      <button onclick="confirmbox()">
        click here for confirm box
      </button>

      <script>
        function alertbox(){
          alert("This is a alert box")
        }

        function promptbox(){
          prompt("Enter your name")
        }

        function confirmbox(){
          var result = confirm("do you want to procees?")
          if (result) {
            alert("you clicked ok")
```

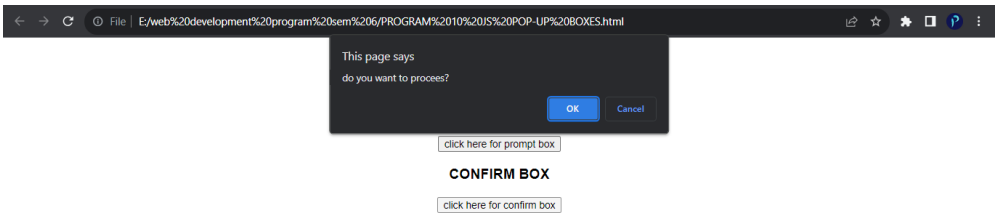
```
            } else {
               alert("you clicked cancel")
            }

         }

      </script>
   </center>
</body>
</html>
```

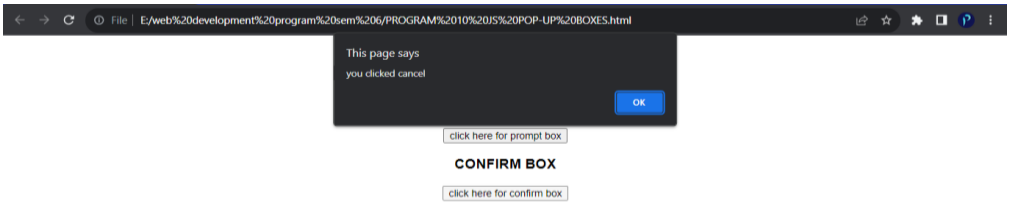
OUTPUT




File | E:/web%20development%20program%20sem%206/PROGRAM%2010%20JS%20POP-UP%20BOXES.html
This page says
This is a alert box
OK
click here for prompt box
CONFIRM BOX
click here for confirm box


File | E:/web%20development%20program%20sem%206/PROGRAM%2010%20JS%20POP-UP%20BOXES.html
This page says
Enter your name
poovizhi
OK
Cancel
CONFIRM BOX
click here for confirm box

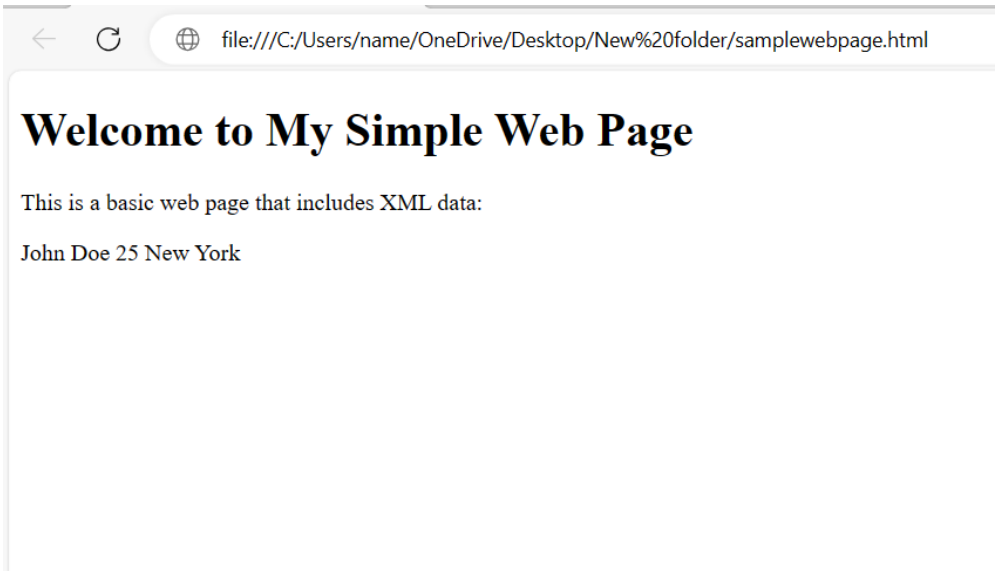

File | E:/web%20development%20program%20sem%206/PROGRAM%2010%20JS%20POP-UP%20BOXES.html
This page says
do you want to procees?
OK
Cancel
click here for prompt box
CONFIRM BOX
click here for confirm box



11.CREATE A WEB PAGE USING XML.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
 <title>Simple Web Page with XML Data</title>
</head>
<body>

 <h1>Welcome to My Simple Web Page</h1>

 <p>This is a basic web page that includes XML data:</p>

 <xml>
  <person>
   <name>John Doe</name>
   <age>25</age>
   <city>New York</city>
  </person>
 </xml>

</body>
</html>
```

OUTPUT


file:///C:/Users/name/OneDrive/Desktop/New%20folder/samplewebpage.html
Welcome to My Simple Web Page
This is a basic web page that includes XML data:
John Doe 25 New York